

RAW SEQUENCE LISTING

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Application Serial Number: 10/539,214
Source: PCT
Date Processed by STIC: 06/24/2005

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PCT

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DATE: 06/24/2005

PATENT APPLICATION: US/10/539,214

TIME: 15:20:34

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06242005\J539214.raw

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3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
7 <130> FILE REFERENCE: 6616-71303-07
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,214
C--> 9 <141> CURRENT FILING DATE: 2005-06-17
9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/040987
10 <151> PRIOR FILING DATE: 2003-12-18
12 <150> PRIOR APPLICATION NUMBER: 60/434,601
13 <151> PRIOR FILING DATE: 2002-12-18
15 <160> NUMBER OF SEQ ID NOS: 2
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 3214
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
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134 <210> SEQ ID NO: 2
135 <211> LENGTH: 898
136 <212> TYPE: PRT
137 <213> ORGANISM: Arabidopsis thaliana
139 <400> SEQUENCE: 2
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142 1 5 10 15
145 Pro Asp Gly Gly Glu Phe Gly Asn Tyr Tyr Ser Leu Pro Ala Leu Asn
146 20 25 30
149 Asp Pro Arg Ile Asp Lys Leu Pro Tyr Ser Ile Arg Ile Leu Leu Glu
150 35 40 45
153 Ser Ala Ile Arg Asn Cys Asp Glu Phe Gln Val Lys Ser Lys Asp Val
154 50 55 60
157 Glu Lys Ile Leu Asp Trp Glu Asn Thr Ser Pro Lys Gln Val Glu Ile
158 65 70 75 80
161 Pro Phe Lys Pro Ala Arg Val Leu Leu Gln Asp Phe Thr Gly Val Pro
162 85 90 95
165 Ala Val Val Asp Leu Ala Cys Met Arg Asp Ala Met Asn Asn Leu Gly
166 100 105 110
169 Gly Asp Ser Asn Lys Ile Asn Pro Leu Val Pro Val Asp Leu Val Ile
170 115 120 125
173 Asp His Ser Val Gln Val Asp Val Ala Arg Ser Glu Asn Ala Val Gln

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177 Ala Asn Met Glu Leu Glu Phe Gln Arg Asn Lys Glu Arg Phe Ala Phe
178 145      150      155      160
181 Leu Lys Trp Gly Ser Asn Ala Phe His Asn Met Leu Val Val Pro Pro
182      165      170      175
185 Gly Ser Gly Ile Val His Gln Val Asn Leu Glu Tyr Leu Ala Arg Val
186      180      185      190
189 Val Phe Asn Thr Asn Gly Leu Leu Tyr Pro Asp Ser Val Val Gly Thr
190      195      200      205
193 Asp Ser His Thr Thr Met Ile Asp Gly Leu Gly Val Ala Gly Trp Gly
194      210      215      220
197 Val Gly Gly Ile Glu Ala Glu Ala Thr Met Leu Gly Gln Pro Met Ser
198 225      230      235      240
201 Met Val Leu Pro Gly Val Val Gly Phe Lys Leu Thr Gly Lys Leu Arg
202      245      250      255
205 Asp Gly Met Thr Ala Thr Asp Leu Val Leu Thr Val Thr Gln Met Leu
206      260      265      270
209 Arg Lys His Gly Val Val Gly Lys Phe Val Glu Phe His Gly Glu Gly
210      275      280      285
213 Met Arg Glu Leu Ser Leu Ala Asp Arg Ala Thr Ile Ala Asn Met Ser
214      290      295      300
217 Pro Glu Tyr Gly Ala Thr Met Gly Phe Phe Pro Val Asp His Val Thr
218 305      310      315      320
221 Leu Gln Tyr Leu Arg Leu Thr Gly Arg Ser Asp Asp Thr Val Ser Met
222      325      330      335
225 Ile Glu Ala Tyr Leu Arg Ala Asn Lys Met Phe Val Asp Tyr Ser Glu
226      340      345      350
229 Pro Glu Ser Lys Thr Val Tyr Ser Ser Cys Leu Glu Leu Asn Leu Glu
230      355      360      365
233 Asp Val Glu Pro Cys Val Ser Gly Pro Lys Arg Pro His Asp Arg Val
234      370      375      380
237 Pro Leu Lys Glu Met Lys Ala Asp Trp His Ser Cys Leu Asp Asn Arg
238 385      390      395      400
241 Val Gly Phe Lys Gly Phe Ala Val Pro Lys Glu Ala Gln Ser Lys Ala
242      405      410      415
245 Val Glu Phe Asn Phe Asn Gly Thr Thr Ala Gln Leu Arg His Gly Asp
246      420      425      430
249 Val Val Ile Ala Ala Ile Thr Ser Cys Thr Asn Thr Ser Asn Pro Ser
250      435      440      445
253 Val Met Leu Gly Ala Ala Leu Val Ala Lys Lys Ala Cys Asp Leu Gly
254      450      455      460
257 Leu Glu Val Lys Pro Trp Ile Lys Thr Ser Leu Ala Pro Gly Ser Gly
258 465      470      475      480
261 Val Val Thr Lys Tyr Leu Ala Lys Ser Gly Leu Gln Lys Tyr Leu Asn
262      485      490      495
265 Gln Leu Gly Phe Ser Ile Val Gly Tyr Gly Cys Thr Thr Cys Ile Gly
266      500      505      510
269 Asn Ser Gly Asp Ile His Glu Ala Val Ala Ser Ala Ile Val Asp Asn
270      515      520      525

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277 Arg Val His Pro Leu Thr Arg Ala Asn Tyr Leu Ala Ser Pro Pro Leu
278 545                      550                      555                      560
281 Val Val Ala Tyr Ala Leu Ala Gly Thr Val Asp Ile Asp Phe Glu Thr
282                      565                      570                      575
285 Gln Pro Ile Gly Thr Gly Lys Asp Gly Lys Gln Ile Phe Phe Arg Asp
286                      580                      585                      590
289 Ile Trp Pro Ser Asn Lys Glu Val Ala Glu Val Val Gln Ser Ser Val
290                      595                      600                      605
293 Leu Pro Asp Met Phe Lys Ala Thr Tyr Glu Ala Ile Thr Lys Gly Asn
294      610                      615                      620
297 Ser Met Trp Asn Gln Leu Ser Val Ala Ser Gly Thr Leu Tyr Glu Trp
298 625                      630                      635                      640
301 Asp Pro Lys Ser Thr Tyr Ile His Glu Pro Pro Tyr Phe Lys Gly Met
302                      645                      650                      655
305 Thr Met Ser Pro Pro Gly Pro His Gly Val Lys Asp Ala Tyr Cys Leu
306                      660                      665                      670
309 Leu Asn Phe Gly Asp Ser Ile Thr Thr Asp His Ile Ser Pro Ala Gly
310                      675                      680                      685
313 Ser Ile His Lys Asp Ser Pro Ala Ala Lys Tyr Leu Met Glu Arg Gly
314      690                      695                      700
317 Val Asp Arg Arg Asp Phe Asn Ser Tyr Gly Ser Arg Arg Gly Asn Asp
318 705                      710                      715                      720
321 Glu Ile Met Ala Arg Gly Thr Phe Ala Asn Ile Arg Ile Val Asn Lys
322                      725                      730                      735
325 His Leu Lys Gly Glu Val Gly Pro Lys Thr Val His Ile Pro Thr Gly
326                      740                      745                      750
329 Glu Lys Leu Ser Val Phe Asp Ala Ala Met Lys Tyr Arg Asn Glu Gly
330                      755                      760                      765
333 Arg Asp Thr Ile Ile Leu Ala Gly Ala Glu Tyr Gly Ser Gly Ser Ser
334      770                      775                      780
337 Arg Asp Trp Ala Ala Lys Gly Pro Met Leu Leu Gly Val Lys Ala Val
338 785                      790                      795                      800
341 Ile Ser Lys Ser Phe Glu Arg Ile His Arg Ser Asn Leu Val Gly Met
342                      805                      810                      815
345 Gly Ile Ile Pro Leu Cys Phe Lys Ala Gly Glu Asp Ala Glu Thr Leu
346                      820                      825                      830
349 Gly Leu Thr Gly Gln Glu Leu Tyr Thr Ile Glu Leu Pro Asn Asn Val
350                      835                      840                      845
353 Ser Glu Ile Lys Pro Gly Gln Asp Val Thr Val Val Thr Asn Asn Gly
354      850                      855                      860
357 Lys Ser Phe Thr Cys Thr Leu Arg Phe Asp Thr Glu Val Glu Leu Ala
358 865                      870                      875                      880
361 Tyr Phe Asp His Gly Gly Ile Leu Gln Tyr Val Ile Arg Asn Leu Ile
362                      885                      890                      895
365 Lys Gln

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date